



## Ripe & Ready Studies and Projects Update – November 2009

Study	Description	Status
Upstream Storage Phase 2 Feasibility Study	Assisting Lewis County PUD evaluation of water storage facilities on the upper Chehalis River.	The Authority was briefed on the findings of Phase 2A at the November 19 meeting. Discussion of Phase 2B is on the December 17 business meeting agenda.
Skookumchuck Dam Modification Feasibility	Conduct a feasibility study to determine if some modification can allow for faster drawdown of the reservoir during flood events.	TransAlta is discussing alternatives with the Corps.
Early Warning Program	Work with emergency management staff of local jurisdictions to design and implement a system to successfully warn citizens in advance of an anticipated flood event.	Proceeding via WEST Consulting. WEST held a series of meetings with Emergency Management Staff throughout the basin the week of November 30.
Ecosystem Services	Conduct an economic analysis to value flood protection and other ecosystem services in the basin to help select projects.	Proceeding via Earth Economics. A presentation by Dave Batker is on the December 17 work session agenda.
Lower-basin Hydraulic Model	Develop a model for the basin below Grand Mound to provide consistent information with the upper-basin model.	ESA Adolfson is coordinating with FEMA on potential partnership. Scoping meetings are expected to be held in January.
Seamless LiDAR	Fill gaps in basin LiDAR information to provide consistent topographical information for modeling and analysis.	Proceeding via Lewis County.
Decision Support Tool (DST)	Support USGS in developing a tool to accurately predict runoff in the basin.	The Corps is working with USGS to incorporate the Decision Support Tool into the General Investigation.
<b>Related Efforts</b>		
General Investigation (GI)	Participate in an effort to study and develop projects for ecosystem restoration and flood control in the Chehalis basin.	The Board Advisory Committee and ESA Adolfson are representing the Flood Authority in a work group for development of the Project Management Plan.